

GSL ENERGY

Much More Than Grade A

GSL ENERGY

51.2V 100Ah

UL1973



As the leading vertically integrated manufacturer of lithium iron phosphate battery systems, GSL ENERGY has provided various battery solutions for nearly all kinds of ESS applications. Thanks to our self-developed core technology in cells/BMS/system design, GSL ENERGY has delivered more than 138+ countries serving 100,000+ users.

www.gsl-energy.com

✓ Long life and safety

Vertical industry integration ensures more than 8500 cycles with 80% DoD.

Safe Lithium iron phosphate battery cell.

✓ Intelligent

Each battery with independent BMS system manages power output smartly and effectively.

✓ Modularization

Modular design gives the end customers the power of choice of capacity. Deliver up to 81.9KW with single max module (5.12KWh) at 16pcs parallel connection.

✓ Easy to install and use

Just plug and play to minimize the installation time and cost. Compact and fashionable design fits in your sweet home environment.

✓ Compatibility

Compatible with most of the available Hybrid inverters.

✓ Safety Cert

UL1973, UN38.3, MSDS

Battery Specifications

Model No		GSL-051100A-B-GBP2	
Nominal Parameters			
Battery Chemistry		LiFePO4	
Voltage		51.2V	
Operating Voltage		46-56V	
Capacity		100Ah	
Energy		5.12Kwh	
Scalability		Max.16pcs in parallel (81.92kWh)	
Usable Energy		4.61Kwh	
Charge/Discharge Current	Recommend	50A	
	Max.	100A	
	Peak(2mins,25℃)	120A	
Basic Parameters			
Recommend Depth of Discharge		90%	
Dimension (W/H/D)		650*480*180mm / 25.6*18.9*7.1 in	
Weight Approximate		46.5kgs / 102 lbs	
Master LED Indicator		4 LED (SOC:25%~100%)	
		2 LED (working, alarming, protecting)	
IP Rating of Enclosur		IP20	
Working Temperature		Charge:0℃ ~ 55℃ Discharge:-20℃ ~ 55℃	
Storage Temperature		0℃ ~ 35℃	
Humidity		5%~95%	
Altitude		≤2000m	
Cycle Life (25±2℃,0.5C/0.5C,80%EOL)		≥6500	
Installation		Wallmounted	
Communication Port		CAN2.0, RS485	
Warranty Period [3]		15 years	
Life Cycle Power During Warranty Period		22.42MWh@80% EOL	
Certification		UL1973, UN38.3, MSDS	